

Subject Index: Volume 31, 2006

- Abdominal aortic surgery, efficacy of low-dose intrathecal morphine for postoperative analgesia, 127
- Abstracts, from American Society of Regional Anesthesia and Pain Medicine Annual Meeting, 372
- Acupuncture points, for femoral nerve localization, 91(letter), 92(letter), 93(letter)
- Acute pain
 - donor-site, after spinal fusion, effects of celecoxib on, 1, 6
 - after orthopedic surgery, fentanyl ITS vs. intravenous PCA morphine for, 546
 - postoperative, ASRA database on, 291
 - potential economic benefits of regional anesthesia for, 95
- Adults, subgluteal approach for sciatic nerve block in, 215
- Allergic contact dermatitis, caused by ultrasonic gel, 480(letter)
- Ambulatory surgery
 - cataract, lidocaine vs. mepivacaine for episcleral block in, 206
 - continuous psoas compartment nerve block in total-hip arthroplasty, 113
 - knee arthroscopy, efficacy of intra-articular bupivacaine vs. ropivacaine or ropivacaine with morphine and ketorolac for pain after, 26
 - total-elbow arthroplasty using a continuous infraclavicular nerve block, 172
- American Board of Anesthesiology (ABA), formation of, and ASA and ASRA, 66
- American Society of Anesthesiologists (ASA), and ASRA, the formation of the ABA, 66
- American Society of Regional Anesthesia and Pain Medicine (ASRA)
 - acute postoperative pain database, 291
 - anniversary celebration, 4
 - and ASA and the formation of the ABA, 66
 - concise history of, 53
 - founding fathers, 71
 - history of, 569
- Anesthetic technique
 - single-needle vs. multiple needle, for facet-joint medial branch block, 181(letter)
 - for total knee arthroplasty, metabolic effect of dextrose infusion in, 206
- Animal studies
 - canines, ultrastructure of meninges after repeated epidural S(+)-ketamine injections, 438
 - pigs, constant-flow infusions of saline to determine hydrodynamics of epidural space, 100, 588(letter), 589(letter)
 - rats
 - efficacy of ephedrine with bupivacaine or lidocaine in sciatic nerve block, 14
 - lipid infusion to accelerate recovery from bupivacaine toxicity in the isolated heart, 296
 - local anesthetics in lipid-depot formulations for sciatic nerve block, relation of neurotoxicity to duration of action, 401
 - spinal cutaneous nociceptive neurons inhibited by intravenous lidocaine, 248
- Aortic surgery, abdominal, efficacy of low-dose intrathecal morphine for postoperative analgesia, 127
- Arachnoiditis, caused by residual intrathecal iophendylate dye, 82
- Arthroplasty. *See* Total-elbow arthroplasty; Total-hip arthroplasty
- Arthroscopy. *See* Knee arthroscopy
- Aseptic techniques, during regional anesthesia, importance and implications of, 311
- Axillary brachial plexus block
 - comparison of nerve stimulation techniques, 192, 202, 483(letter), 484(letter)
 - prolonged by magnesium plus prilocaine, 233
 - triple stimulation of ulnar nerve vs. radial nerve in, 514
 - ultrasound guidance of musculocutaneous nerve in, 88(letter), 89(letter)
- Blood pressure, decreased after spinal anesthesia in infants, 519
- Bonica Lecture 2005, 146
- Bonica Lecture Award 2005, 143
- Book reviews
 - Atlas of Regional Anesthesia, Third Edition* (Brown), 383
 - Clinical Anesthesia, 5th Edition* (Barach, Cullen and Stoelting), 478
 - Handbook of Opioid Bowel Syndrome* (Yuan), 180
 - Obstetric Anesthesia Handbook, Fourth Edition* (Datta), 478
 - The Ultimate Guide to Finding the Right Job After Residency* (Shaw and Kaj), 477
- Brachial plexus block
 - middle interscalene, cadaver study and clinical assessment, 563
 - posterior approach
 - clinical efficacy of, 90(letter), 186(letter)
 - vs. lateral approach for, 119
 - single-injection infraclavicular, influence of evoked distal motor response on success rate of, 433
 - supraclavicular
 - ultrasound guidance with a sterile transparent dressing for, 182(letter)
 - ultrasound-guided, 591(letter)
- Breast surgery, major, continuous thoracic paravertebral block for, 470
- Bridenbaugh, L. Donald, Jr., founding father of ASRA, 71
- Bupivacaine
 - with clonidine, postoperative analgesic effect of intrathecal midazolam added to, 501
 - or lidocaine, with ephedrine, efficacy in rat sciatic nerve block, 14

- with midazolam, intrathecal, two-doses of, efficacy during cesarean delivery, 221
 - in preemptive analgesia for segmental mastectomy, 227
 - stereoisomers of, in in vitro antagonism of recombinant ligand-gated ion-channel receptors, 19
 - subtenon, for pediatric strabismus surgery, 182(letter)
 - toxicity in the isolated rat heart, lipid infusion to accelerate recovery from, 296
 - vs. ropivacaine or ropivacaine with morphine and ketorolac, intra-articular injections of, efficacy in pain after ambulatory knee arthroscopy, 26
- Carron, Harold, founding father of ASRA, 71
- Cataract surgery, ambulatory, lidocaine vs. mepivacaine for episcleral block in, 206
- Catheters
- epidural
 - entrapped, practical method for removal of, 586(letter)
 - retained, ultrasound detection of, 589(letter)
 - intra-articular, in delivery of 5mg morphine, effects on pain after knee arthroscopy, 506
 - intrathecal, migration of, causing lumbar radicular pain, 363
 - sciatic, placement in a diabetic patient, confirmed by radiographic contrast, 482(letter)
 - thoracic epidural, relationship between bevel direction and catheter position, 105
- Celecoxib, effects on acute and chronic donor-site pain after spinal fusion, 1, 6
- Cerebellar herniation, after cervical transforaminal epidural steroid injections, 282
- Cervical paravertebral block, continuous, epidural spread after, 279
- Cervical plexus block, bilateral superficial, with 0.75% ropivacaine administered before or after total thyroidectomy, efficacy of, 34
- Cervical radicular pain, role of the dorsal root ganglion in, 152
- Cervical spine, middle to lower, ultrasound guidance in periradicular injections of, 87(letter)
- Cervical transforaminal injections and the radicular artery, 270
- of steroid, cerebellar herniation after, 282
- Cesarean delivery, efficacy of two doses of intrathecal midazolam with bupivacaine during, 221
- Children
- computed tomography guidance in infraorbital nerve block, 211
 - subtenon bupivacaine for strabismus surgery, 182(letter)
- Chronic headache, ganglionic local opioid application for, 460
- Chronic pain
- donor-site, after spinal fusion, effects of celecoxib on, 1, 6
 - infectious risks associated with injection therapy, implants and intradiscal therapy for, 346
 - and spinal cord, 146
- Clinical practice, introduction of new blocks into, 492
- Clonidine, with bupivacaine, postoperative analgesic effect of intrathecal midazolam added to, 501
- Coccygeal joint, block of ganglion impar via, 583(letter)
- Colorectal surgery, in elderly, intravenous PCA morphine vs. intrathecal morphine for analgesia after, 531
- Complications
- dural puncture from sharp needles used in paravertebral blocks, 388(letter)
 - massive subdural anesthesia from epidural catheter placement, 181(letter)
 - pneumoretroperitoneum caused by fascia iliaca block, 582(letter)
- Computed tomography, guidance, in infraorbital nerve block in children, 211
- Contact dermatitis, allergic, caused by ultrasonic gel, 480(letter)
- Continuous nerve block
- ambulatory, psoas compartment, in total-hip arthroplasty, 113
 - cervical paravertebral, epidural spread after, 279
 - femoral, perineural space expansion before catheter placement in, 393
 - infraclavicular, in outpatient total-elbow arthroplasty, 172
 - intra-articular infusion, bupivacaine toxicity from, 184(letter)
 - lumbar plexus, with sciatic nerve block, for simultaneous ipsilateral total hip and knee arthroplasty, 591(letter)
 - popliteal sciatic-nerve, dose-response of 20, 30, or 40 ml ropivacaine 5% in, 455
 - sciatic, pudendal nerve block after, 185(letter)
 - thoracic paravertebral, for major breast surgery, 470
- Contrast agents, residual intrathecal iophendylate, causing arachnoiditis, 82
- Convulsions, delayed, and brief contralateral hemiparesis, after retrobulbar block, 275
- Cun system, for femoral nerve localization, 91(letter), 92(letter), 93(letter)
- Cutaneous nociceptive neurons, spinal, in rats, inhibited by intravenous lidocaine, 248
- Cyclooxygenase-2 inhibition, effects on acute and chronic donor-site pain after spinal fusion, 1, 6
- Database, on acute postoperative pain, of ASRA, 291
- Dekompressor Percutaneous Discectomy Probe, failed, surgical removal during disc decompression, 177
- Dermatitis, allergic contact, caused by ultrasonic gel, 480(letter)
- Desflurane, requirements during gynecologic surgery, effects of preoperative epidural morphine on, 428
- Dextrose infusion, metabolic effect on various analgesia methods for total-knee arthroplasty, 206
- Diabetes mellitus, radiographic contrast to confirm sciatic catheter placement in a patient with, 482(letter)
- Diagnostic blocks, single-needle vs. multiple needle, for facet-joint medial branch block, 181(letter)
- Disc decompression, surgical removal of failed percutaneous discectomy probe during, 177
- Discectomy probe, failed percutaneous, surgical removal during disc decompression, 177

- Donor-site pain, acute and chronic, after spinal fusion, effects of celecoxib on, 1, 6
- Dorsal root ganglion, role in cervical radicular pain, 152
- Dural puncture, from sharp needles used in paravertebral blocks, 388(letter)
- Edema, pulmonary, reduction by short-acting local anesthetics, 254
- Eisenach, J. C.
Bonica Lecture 2005, 146
Bonica Lecture Award 2005, 143
- Elderly, intravenous PCA morphine vs. intrathecal morphine for analgesia after colorectal surgery, 531
- Electric nerve stimulation
sequential, for location of the sciatic nerve and lumbar plexus, 463
ultrasound evaluation of sensitivity of motor response and paresthesia to, 445
- Ephedrine, with bupivacaine or lidocaine, efficacy in rat sciatic nerve block, 14
- Epidural anesthesia. *See also* Spinal-epidural anesthesia and low-molecular-weight heparin after total-knee arthroplasty, causing epidural hematoma, 480(letter)
video-assisted validation of residents' skill in performance of, 304
- Epidural catheters
entrapped, practical method for removal of, 586(letter)
placement complications, massive subdural anesthesia, 181(letter)
retained, ultrasound detection of, 589(letter)
thoracic, relationship between bevel direction and catheter position, 105
- Epidural hematoma, due to epidural analgesia and low-molecular-weight heparin after total-knee arthroplasty, 480(letter)
- Epidural injections
cervical transforaminal, of steroids, cerebellar herniation after, 282
repeated, of S(+)-ketamine, ultrastructure of canine meninges after, 438
- Epidural nerve block, thoracic and lumbar, fluoroscopic guidance, 409
- Epidural space
injectate spread into, after continuous cervical paravertebral block, 279
local anesthetic spread in, relation to needle position and selectivity of segmental nerve root blocks, 523
in pigs, constant-flow infusions of saline to determine hydrodynamics of, 100, 588(letter), 589(letter)
- Episcleral block. *See* Subtenon anesthesia
- Epithelial cells, transfer during spinal-epidural anesthesia, 539
- Ethics, and informed consent, in medical research, 353
- Extradural injection, accidental, causing massive subdural anesthesia, 181(letter)
- Facet-joint medial branch block, single-needle vs. multiple needle technique for, 181(letter)
- Facial pain, ganglionic local opioid application for, 460
- Fascia iliaca block, causing pneumoretroperitoneum, 582(letter)
- Femoral nerve block
continuous, perineural space expansion before catheter placement in, 393
cun system for localization of femoral nerve, 91(letter), 92(letter), 93(letter)
ultrasound-guided, 387(letter)
- Fentanyl, ITS, vs. intravenous PCA morphine, for acute pain after orthopedic surgery, 546
- Fever, regional anesthesia in patient with, 324
- Fluoroscopy
arachnoiditis caused by residual intrathecal iophendylate dye, 82
guidance
with skin markings for stellate ganglion block, 386(letter)
in thoracic and lumbar epidural block, 409
with ultrasound, in lumbar medial-branch block, 451
- Gabapentin, perioperative, efficacy for postoperative pain, 237
- Ganglionic local opioid application, for chronic headache and facial pain, 460
- Ganglion impar, block of, using coccygeal joint approach, 583(letter)
- Gaston Labat Award 2005, 46
- Gaston Labat Lecture 2005, 47
- Gynecologic surgery
effects of preoperative epidural morphine on desflurane requirements during, 428
efficacy and safety of perioperative rofecoxib in patients undergoing gynecologic surgery, 134
- Headache, chronic, ganglionic local opioid application for, 460
- Health-related quality of life, in sacroiliac syndrome vs. lumbosacral radiculopathy, 422
- Hematoma, epidural, due to epidural analgesia and low-molecular-weight heparin after total-knee arthroplasty, 480(letter)
- Hemiparesis, brief contralateral, and delayed convulsions, after retrobulbar block, 275
- Herniation, cerebellar, after cervical transforaminal epidural steroid injections, 282
- History
of ASRA, 53, 569
regional anesthesia and pain medicine after 30 years, 575
- Hydrodynamics, of epidural space in pigs, determined by constant-flow infusions of saline, 100, 588(letter), 589(letter)
- Hypotension, massive subdural anesthesia from epidural catheter placement, 181(letter)
- Immunocompromised patient, regional anesthesia in, 334

- Implants, for chronic pain, infectious risks associated with, 346
- Infants, spinal anesthesia resulting in increased skin temperature and decreased blood pressure in, 519
- Infections
- associated with injection therapy, implants and intradiscal therapy for chronic pain, 346
 - associated with regional anesthesia, 289
 - regional anesthesia in patient with, 324
- Inflammatory pain, intra-articular morphine for, 496
- Informed consent, in medical research, 353
- Infraclavicular block
- continuous, in outpatient total-elbow arthroplasty, 172
 - lateral sagittal, aided by ultrasound and peripheral nerve stimulators, 86(letter)
 - single-injection, influence of evoked distal motor response on success rate of, 433
- Infraorbital nerve block, in children, computed tomography guidance in, 211
- Injection therapy, for chronic pain, infectious risks associated with, 346
- Interscalene brachial plexus block, middle, cadaver study and clinical assessment, 563
- Intra-articular catheter, in delivery of 5mg morphine, effects on pain after knee arthroscopy, 506
- Intra-articular injections
- of bupivacaine, ropivacaine or ropivacaine with morphine and ketorolac, efficacy in pain after ambulatory knee arthroscopy, 26
 - of morphine, for inflammatory pain, 496
- Intradiscal therapy, for chronic pain, infectious risks associated with, 346
- Intrathecal catheter, migration of, causing lumbar radicular pain, 363
- Intrathecal space, residual iophendylate dye in, causing arachnoiditis, 82
- Iontophoretic transdermal system (ITS), fentanyl, vs. intravenous PCA morphine, for acute pain after orthopedic surgery, 546
- Iophendylate, residual intrathecal, causing arachnoiditis, 82
- Katz, Jordan, founding father of ASRA, 71
- Kehlet, Henrik
- Gaston Labat Award 2005, 46
 - Gaston Labat Lecture 2005, 47
- Ketamine, S(+), ultrastructure of canine meninges after repeated epidural injections of, 438
- Ketorolac, and morphine with ropivacaine, vs. bupivacaine or ropivacaine, intra-articular injections of, efficacy in pain after ambulatory knee arthroscopy, 26
- Knee arthroscopy
- ambulatory, efficacy of intra-articular bupivacaine vs. ropivacaine or ropivacaine with morphine and ketorolac for pain after, 26
 - effects of 5 mg morphine delivered via intra-articular catheter on pain after, 506
- Lateral approach, vs. posterior approach, for brachial plexus block, 119
- Lidocaine
- or bupivacaine, with ephedrine, efficacy in rat sciatic nerve block, 14
 - intravenous, to inhibit spinal cutaneous nociceptive neurons in rats, 248
 - vs. mepivacaine, for episcleral block in ambulatory cataract surgery, 206
- Ligand-gated ion-channel receptors, recombinant, in vitro antagonism by bupivacaine stereoisomers, 19
- Lipid-depot formulations, local anesthetics in, relation of neurotoxicity to duration of action in sciatic nerve block, 401
- Lipid infusion, to accelerate recovery from bupivacaine toxicity in the isolated rat heart, 296
- Local anesthetics
- epidural spread of, relation to needle position and selectivity of segmental nerve root blocks, 523
 - in lipid-depot formulations, relation of neurotoxicity to duration of action in sciatic nerve block, 401
 - short-acting, for reduction of pulmonary edema, 254
 - toxicity from continuous intra-articular infusion of bupivacaine, 184(letter)
- Localization techniques, of femoral nerve using cun system, 91(letter), 92(letter), 93(letter)
- Low-back pain, single-needle vs. multiple needle technique for facet-joint medial branch block, 181(letter)
- Low-molecular-weight heparin, and epidural anesthesia after total-knee arthroplasty, causing epidural hematoma, 480(letter)
- Lumbar epidural nerve block, fluoroscopic guidance, 409
- Lumbar medial-branch block, ultrasound guidance with fluoroscopy in, 451
- Lumbar plexus, sequential electric nerve stimulation for location of, 463
- Lumbar plexus block
- ambulatory continuous psoas compartment nerve block, in total-hip arthroplasty, 113
 - continuous, with sciatic nerve block, for simultaneous ipsilateral total hip and knee arthroplasty, 591(letter)
 - with or without sciatic nerve block, plasma ropivacaine levels after, 417
- Lumbar radicular pain, caused by intrathecal catheter migration, 363
- Lumbosacral radiculopathy, vs. sacroiliac syndrome, health-related quality of life in, 422
- Magnesium, plus prilocaine, to prolong duration of axillary plexus block, 233
- Mastectomy, segmental, preemptive analgesia with bupivacaine for, 227
- Medial-branch block, lumbar, ultrasound guidance with fluoroscopy in, 451
- Medical research
- informed consent in, 353
 - scientific misconduct in, 294

- Meninges, of canines, ultrastructure after repeated epidural S(+)-ketamine injections, 438
- Meperidine, *vs.* ondansetron, for prevention of shivering during spinal anesthesia, 40
- Mepivacaine, *vs.* lidocaine, for episcleral block in ambulatory cataract surgery, 206
- Midazolam
with bupivacaine, intrathecal, two-doses of, efficacy during cesarean delivery, 221
intrathecal, added to bupivacaine-clonidine mixture, postoperative analgesic effect of, 501
spinal, safety of, 489
- Morphine
5mg, delivered via intra-articular catheter, effects on pain after knee arthroscopy, 506
intra-articular, for inflammatory pain, 496
intravenous PCA
 vs. fentanyl ITS, for acute pain after orthopedic surgery, 546
 vs. intrathecal, for analgesia after colorectal surgery in elderly, 531
and ketorolac with ropivacaine, *vs.* bupivacaine or ropivacaine, intra-articular injections of, efficacy in pain after ambulatory knee arthroscopy, 26
low-dose intrathecal, efficacy for postoperative analgesia after abdominal aortic surgery, 127
preoperative epidural, effect on desflurane requirements during gynecologic surgery, 428
- Motor response
evoked distal, influence on success of single-injection infraclavicular plexus block, 433
sensitivity to electrical nerve stimulation, evaluated by ultrasound, 445
- Musculocutaneous nerve block, ultrasound guidance of, 88(letter), 89(letter)
- Musculocutaneous nerve stimulation, plus radial, *vs.* ulnar plus musculocutaneous, in axillary block, 192, 202, 483(letter), 484(letter)
- Myelography, arachnoiditis caused by residual intrathecal iophendylate dye used in, 82
- Needles
position of, relation to epidural local anesthetic spread and selectivity of segmental nerve root blocks, 523
visibility of puncture site, and "walkdown" approach for short-axis alignment during ultrasound-guided blocks, 586(letter)
- Nerve blocks. *See also specific types of nerve blocks*
new, introduction into clinical practice, 492
- Nerve stimulation techniques
clinical efficacy of brachial plexus block via posterior approach, 90(letter), 186(letter)
electrical, ultrasound evaluation of sensitivity of motor response and paresthesia to, 445
peripheral, in lateral sagittal infraclavicular block, 86(letter)
sequential electric, for location of the sciatic nerve and lumbar plexus, 463
triple, ulnar nerve *vs.* radial nerve in axillary block, 514
ulnar plus musculocutaneous *vs.* radial plus musculocutaneous, in axillary block, 192, 202, 483(letter), 484(letter)
- Neuromodulation, subcutaneous targeted, at the site of pain, 168
- Neurotoxicity, of local anesthetics in lipid-depot formulations, relation to duration of action in sciatic nerve block, 401
- Nociceptive neurons, spinal cutaneous, in rats, inhibited by intravenous lidocaine, 248
- Ondansetron, *vs.* meperidine, for prevention of shivering during spinal anesthesia, 40
- Open retropubic prostatectomy, transverse abdominis plane block in, 91(letter)
- Orthopedic surgery, fentanyl ITS *vs.* intravenous PCA morphine for acute pain after, 546
- Outpatient surgery. *See* Ambulatory surgery
- Pain
acute and chronic donor-site, after spinal fusion, effects of celecoxib on, 1, 6
after ambulatory knee arthroscopy, efficacy of intra-articular bupivacaine *vs.* ropivacaine with morphine and ketorolac, 26
facial, ganglionic local opioid application for, 460
inflammatory, intra-articular morphine for, 496
site of, subcutaneous targeted neuromodulation at, 168
- Pain medicine
and regional anesthesia, 79
and regional anesthesia after 30 years, 575
- Pajunk peripheral nerve stimulating catheter, perforation of, 389(letter)
- Parasacral nerve block, sciatic, urinary incontinence after, 368
- Paravertebral block
continuous cervical, epidural spread after, 279
continuous thoracic, for major breast surgery, 470
dural puncture from sharp needles used in, 388(letter)
thoracic, influence of number of injections on clinical and radiographic distribution, 189, 196, 584(letter), 585(letter)
- Paresthesia, sensitivity to electrical nerve stimulation, evaluated by ultrasound, 445
- Patient-controlled analgesia (PCA), intravenous morphine
 vs. fentanyl ITS, for acute pain after orthopedic surgery, 546
 vs. intrathecal morphine, for analgesia after colorectal surgery in elderly, 531
- Perineural space, expansion of, before catheter placement in continuous femoral nerve block, 393
- Perioperative pain management
efficacy and safety of rofecoxib in patients undergoing gynecologic surgery, 134
subtenon bupivacaine for pediatric strabismus surgery, 182(letter)
- Peripheral nerve stimulators
in lateral sagittal infraclavicular block, 86(letter)
Pajunk, perforation of, 389(letter)

- Periradicular injections, of middle to lower cervical spine, ultrasound guidance in, 87(letter)
- Pneumoretroperitoneum, caused by fascia iliaca block, 582(letter)
- Popliteal sciatic nerve block
accuracy of ultrasound guidance for, 481(letter)
continuous lateral, dose-response of 20, 30, or 40 ml ropivacaine 5% in, 455
- Posterior approach
for brachial plexus block, clinical efficacy of, 90(letter), 186(letter)
vs. lateral approach, for brachial plexus block, 119
- Postoperative analgesia
bilateral superficial cervical plexus block, efficacy of 0.75% ropivacaine administered before or after total thyroidectomy, 34
effects of 5mg morphine delivered via intra-articular catheter, 506
effects of celecoxib on acute and chronic donor-site pain, 1, 6
effects of intrathecal midazolam added to bupivacaine-clonidine mixture, 501
efficacy of intra-articular bupivacaine vs. ropivacaine or ropivacaine with morphine and ketorolac, 26
efficacy of low-dose intrathecal morphine after abdominal aortic surgery, 127
efficacy of perioperative gabapentin, 237
efficacy of two doses of intrathecal midazolam with bupivacaine during cesarean delivery, 221
intravenous PCA morphine vs. intrathecal morphine, 531
- Postoperative outcome, and surgical stress, 47
- Preemptive analgesia, with bupivacaine for segmental mastectomy, 227
- Prilocaine, plus magnesium, to prolong duration of axillary plexus block, 233
- Psoas compartment block, ambulatory continuous, in total-hip arthroplasty, 113
- Pudendal nerve block, after continuous sciatic nerve block, 185(letter)
- Pulmonary edema, reduction by short-acting local anesthetics, 254
- Quality of life, health-related, in sacroiliac syndrome vs. lumbosacral radiculopathy, 422
- Radial nerve, vs. ulnar nerve, in axillary block using triple stimulation, 514
- Radial nerve stimulation, plus musculocutaneous, vs. ulnar plus musculocutaneous, in axillary block, 192, 202, 483(letter), 484(letter)
- Radicular artery, and cervical transforaminal injections, 270
- Radicular pain
cervical, role of the dorsal root ganglion in, 152
lumbar, caused by intrathecal catheter migration, 363
- Radiculopathy, lumbosacral, vs. sacroiliac syndrome, health-related quality of life in, 422
- Radiography, contrast in, to confirm sciatic catheter placement in a diabetic patient, 482(letter)
- Raj, P. Prithvi, founding father of ASRA, 71
- Regional anesthesia
for acute pain management, potential economic benefits of, 95
in febrile or infected patient, 324
in immunocompromised patient, 334
importance and implications of aseptic techniques during, 311
infections associated with, 289
and pain medicine, 79
after 30 years, 575
ultrasound-guided, credentials in, 587(letter)
and ultrasound credentialing, preoperative screening and diagnosis, 498, 555
- Regional Anesthesia and Pain Medicine*, anniversary celebration, 4
- Residents, skill in performing epidural anesthesia, video-assisted validation of, 304
- Respiratory arrest, massive subdural anesthesia from epidural catheter placement, 181(letter)
- Retrobulbar block, delayed convulsions and brief contralateral hemiparesis after, 275
- Rofecoxib, efficacy and safety in patients undergoing gynecologic surgery, 134
- Ropivacaine
0.75%, administered before or after total thyroidectomy, for bilateral superficial cervical plexus block, efficacy of, 34
5%, dose-response of 20, 30, or 40 ml in continuous lateral popliteal sciatic-nerve block, 455
plasma levels after lumbar plexus block with or without sciatic nerve block, 417
vs. bupivacaine or ropivacaine with morphine and ketorolac, intra-articular injections of, efficacy in pain after ambulatory knee arthroscopy, 26
- Sacroiliac syndrome, vs. lumbosacral radiculopathy, health-related quality of life in, 422
- Sciatic catheter, placement in a diabetic patient, confirmed by radiographic contrast, 482(letter)
- Sciatic nerve, sequential electric nerve stimulation for location of, 463
- Sciatic nerve block
in adults, subgluteal approach for, 215
continuous
lateral popliteal, dose-response of 20, 30, or 40 ml ropivacaine 5% in, 455
pudendal nerve block after, 185(letter)
with continuous lumbar plexus block, for simultaneous ipsilateral total hip and knee arthroplasty, 591(letter)
efficacy of ephedrine with bupivacaine or lidocaine in rats, 14
local anesthetics in lipid-depot formulations for, relation of neurotoxicity to duration of action, 401
parasacral, urinary incontinence after, 368
popliteal, accuracy of ultrasound guidance for, 481(letter)
subgluteal approach, thigh diameter as guide to estimate sciatic nerve depth, 358

- with or without lumbar plexus block, plasma ropivacaine levels after, 417
- Scientific misconduct, in research, 294
- Segmental mastectomy, preemptive analgesia with bupivacaine for, 227
- Segmental nerve root block, selectivity of, relation to needle position and epidural local anesthetic spread, 523
- Shivering, during spinal anesthesia, meperidine vs. ondansetron for prevention of, 40
- Skin markings, with fluoroscopic guidance for stellate ganglion block, 386(letter)
- Skin temperature, increased after spinal anesthesia in infants, 519
- Spinal anesthesia. *See also* Spinal-epidural anesthesia
 - meperidine vs. ondansetron for prevention of shivering during, 40
 - resulting in increased skin temperature and decreased blood pressure in infants, 519
 - safety of midazolam, 489
 - two doses of intrathecal midazolam with bupivacaine, efficacy during cesarean delivery, 221
- Spinal cord, and chronic pain, 146
- Spinal cutaneous nociceptive neurons, in rats, inhibited by intravenous lidocaine, 248
- Spinal-epidural anesthesia, epithelial cell transfer during, 539
- Spinal needle, broken, recovery of, 186(letter)
- Stellate ganglion block, skin markings with fluoroscopic guidance, 386(letter)
- Sterile transparent dressing, with ultrasound guidance in supraclavicular brachial plexus block, 182(letter)
- Stereoisomers, of bupivacaine, in in vitro antagonism of recombinant ligand-gated ion-channel receptors, 19
- Steroids, cervical transforaminal epidural injections of, cerebellar herniation after, 282
- Stimulating catheters
 - Pajunk peripheral nerve, perforation of, 389(letter)
 - perineural space expansion before placement of, in continuous femoral nerve block, 393
- Strabismus surgery, pediatric, subtenon bupivacaine for, 182(letter)
- Stress, surgical, and postoperative outcome, 47
- Subcutaneous targeted neuromodulation, at the site of pain, 168
- Subdural block, inadvertent, 181(letter)
- Subgluteal approach, for sciatic nerve block
 - in adults, 215
 - thigh diameter as guide to estimate sciatic nerve depth, 358
- Subtenon anesthesia
 - mepivacaine vs. lidocaine, in ambulatory cataract surgery, 206
 - in pediatric strabismus surgery, 182(letter)
- Supraclavicular block, brachial plexus, ultrasound-guided, 591(letter)
 - with a sterile transparent dressing for, 182(letter)
- Surgical removal, of failed percutaneous discectomy probe during disc decompression, 177
- Surgical stress, and postoperative outcome, 47
- Thigh, diameter of, as guide to estimate sciatic nerve depth in subgluteal approach, 358
- Thoracic epidural catheter, relationship between bevel direction and catheter position, 105
- Thoracic epidural nerve block, fluoroscopic guidance, 409
- Thoracic paravertebral block
 - continuous, for major breast surgery, 470
 - influence of number of injections on clinical and radiographic distribution, 189, 196, 584(letter), 585(letter)
- Thyroidectomy. *See* Total thyroidectomy
- Total-elbow arthroplasty, outpatient, using a continuous infraclavicular nerve block, 172
- Total-hip arthroplasty
 - ambulatory continuous psoas compartment nerve block in, 113
 - simultaneous with total-knee arthroplasty, sciatic nerve block with continuous lumbar plexus block, 591(letter)
- Total-knee arthroplasty
 - continuous nerve blocks, bupivacaine toxicity from intra-articular infusion, 184(letter)
 - epidural hematoma caused by low-molecular-weight heparin and epidural anesthesia after, 480(letter)
 - metabolic effect of dextrose infusion in various analgesia methods for, 206
 - simultaneous with total hip arthroplasty, sciatic nerve block with continuous lumbar plexus block, 592(letter)
- Total thyroidectomy, 0.75% ropivacaine administered before or after, efficacy for bilateral superficial cervical plexus block, 34
- Transforaminal injections, cervical
 - epidural, of steroids, cerebellar herniation after, 282
 - and the radicular artery, 270
- Transverse abdominis plane block, in open retropubic prostatectomy, 91(letter)
- Tuohy needle, bevel direction of, relation to catheter position in thoracic epidural anesthesia, 105
- Ulnar nerve, vs. radial nerve, in axillary block using triple stimulation, 514
- Ulnar nerve stimulation
 - plus musculocutaneous, vs. radial plus musculocutaneous, in axillary block, 192, 202, 483(letter), 484(letter)
- Ultrasonic gel, causing allergic contact dermatitis, 480(letter)
- Ultrasound, credentialing, preoperative screening and diagnosis, regional blocks and, 498, 555
- Ultrasound guidance
 - accuracy in popliteal sciatic nerve block, 481(letter)
 - in detection of retained epidural catheter fragment, 589(letter)
 - evaluation of sensitivity of motor response and paresthesia to electrical nerve stimulation, 445
 - in femoral nerve block, 387(letter)
 - with fluoroscopy, in lumbar medial-branch block, 451
 - in lateral sagittal infraclavicular block, 86(letter)

in musculocutaneous nerve block, 88(letter), 89(letter)
in periradicular injections of middle to lower cervical spine, 87(letter)
in regional anesthesia, credentials in, 587(letter)
with a sterile transparent dressing in supraclavicular brachial plexus block, 182(letter)
in supraclavicular brachial plexus block, 592(letter)
visibility of needle puncture site and "walkdown" approach for short-axis alignment, 586(letter)

Ultrastructure, of canine meninges after repeated epidural S(+)-ketamine injections, 438
Urinary incontinence, after bilateral parasacral sciatic nerve block, 368

Winnie, Alon. P., founding father of ASRA, 71

Zygapophyseal joint medial branch block, single-needle vs. multiple needle technique for, 181(letter)

Author Index: Volume 31, 2006

- Abbas, Sherif, 445
 Abe, Syung, 409
 Ackerman, William E., 181(letter)
 Acosta, Alinne, 438
 Adesioye, John, 6
 Afzal, Ashar, 480(letter)
 Ahn, Hyun Joo, 105
 Alberto, Bartoloni, 563
 Alemanno, Fernando, 563
 Almachnouk, Mohammad H., 215
 Al-Tannir, Mohamad A., 196
 Álvarez, Julián, 202
 Arai, Tatsuru, 409
 Arimone, Yannick, 34
 Asenjo, Francisco J., 260
 Axelsson, Kjell, 26
- Bacon, Douglas R., 66, 71
 Bahar, Mois, 539
 Baker, Jeff, 575
 Ballantyne, Jane C., 291
 Bárcena, María, 202
 Baris, Sibel, 40
 Batt, Michel, 127
 Baumgarten, Richard K., 88(letter), 584(letter)
 Beach, Michael L., 555
 Beck, Marc, 358
 Beckman, William A., 282
 Berry, Linda F., 113
 Bilir, Ayten, 233
 Björkman, Sven, 401
 Blay, Mike, 127
 Blinder, Jordan L., 6
 Bloc, Sébastien, 433
 Bodner, Gerd, 87(letter)
 Boersma, Eric, 119
 Boezaart, André P., 90(letter), 189, 279, 358, 388(letter), 470, 585(letter)
 Boice, Judith A., 134
 Bolger, Ann F., 498
 Bombí, Josep A., 438
 Bonaventura, Marguerite A., 227
 Bourne, Michael H., 546
 Bousofara, Mehdi, 501
 Bridenbaugh, Phillip O., 79
 Buffington, Charles W., 100, 589(letter)
- Camus, Yvon, 531
 Cantini, Olivier, 34
 Capozzoli, Giuseppe, 563
 Carlès, Michel, 501
 Carli, Franco, 260
- Carlsson, Christer, 401
 Cavanaugh Jr, Paul F., 134
 Ceccon, Maurício S., 368
 Chambeau, Régine, 127
 Chan, Vincent, 46, 304, 445
 Chandrasekhar, Shoba, 586(letter)
 Chaniel-Bourgau, Catherine, 206
 Chaumeron, Arnaud, 206
 Chee, Victor, 389(letter)
 Cheng, Marc B., 422
 Chin, Ki Jinn, 389(letter)
 Cho, Hyun Sung, 105
 Choi, Duck Hwan, 105
 Choksi, Nandak, 215
 Cohen, Steven P., 181(letter), 237
 Collier, Clive B., 181(letter)
 Collins, Adam B., 591(letter)
 Conceição, Diogo B., 368
 Coventry, David M., 483(letter)
 Crabtree, Eric C., 358
 Curran, John, 211
- Damaraju, C.V., 546
 De La Cuadra-Fontaine, Juan Carlos, 185(letter), 260
 Delpierre, Eric, 531
 Delva, Eric, 531
 Denny, Nicholas M., 492
 de Oliveira Filho, Getúlio R., 368
 Dernis, Lyndia, 393
 Devito, Isabel, 304
 Dhonneur, Gilles, 433
 Dillane, Derek, 586(letter)
 Dodgson, Michael S., 86(letter)
 Dominguez, Carmen L., 82
 Domskey, Richard, 177
 Donatelli, Francesco, 260
 Duong, Christina Ychi, 482(letter)
 Durieux, Marcel E., 152
 Dyhre, Henrik, 401
- Edelman, Lucas B., 296
 Edington, Howard D., 227
 Edwards, John N., 358
 Egarter-Vigl, Eduard, 563
 Eisenach, James C., 1, 146
 Ekman, Evan F., 6
 El-Rajab, Mariam, 196
 Enel, Dominique, 186(letter)
 Enneking, F. Kayser, 113, 172
- Finucane, Brendan T., 182(letter), 481(letter)
 Fishman, Scott M., 82
 Fonda, Bruce J., 270
 Fouad M. Ziade, 196
 Fournier, Roxane, 455, 591(letter)
 Franco, Carlo D., 215, 388(letter)
 Freynhagen, Rainer, 519
 Friedman, Zeev, 304
 Frohm, Robert M., 279
 Fry, R.A., 182(letter)
 Funck-Brentano, Christian, 531
- Galiano, Klaus, 87(letter)
 Gallagher, John D., 555
 Gamulin, Zdravko, 455, 591(letter)
 Gargiulo, Kathryn, 546
 Garnier, Thierry, 433
 Garrido, Marta, 438
 Gearen, Peter F., 113
 Gentili, Marc E., 186(letter)
 George, Steven Z., 113
 Gerner, Peter, 14
 Gielen, Mathieu J. M., 119
 Gindre, Stéphane, 127
 Ginsberg, Brian, 291
 Gogia, Anoop R., 221
 Goldberg, Michael E., 177
 Gomar, Carmen, 438
 Goroszeniuk, Teodor, 168
 Gottin, Leonardo, 563
 Grant, Calum R.K., 483(letter)
 Graça, Dominguita L., 438
 Gray, Andrew T., 480(letter), 498, 591(letter)
 Greco, William R., 14
 Greengrass, Roy A., 584(letter)
 Grimaud, Dominique, 127
 Groen, Gerbrand J., 523
 Grossi, Paolo, 463
 Gruber, Hannes, 87(letter)
 Guilley, Jérôme, 393
 Gulcu, Nebahat, 386(letter), 589(letter)
 Gulec, Sacit, 233
 Gunduz, Aytac, 233
 Gunes, Isin, 386(letter)
 Gupta, Anil, 26
 Gurkan, Yavuz, 428
 Gustav, Ekbäck, 26
- Haider, Naeem, 279
 Hald, John K., 82
 Haldane, Grant J., 582(letter)
 Hamann, Wolfgang, 168

- Hamid, Basem, 460
 Hanna, Marie N., 180
 Harney, Donal, 152
 Harris, Clinton L., 460
 Harrop-Griffiths, A. William, 492
 Hartrick, Craig T., 546
 Hawkins, Frank, 480(letter)
 Hebl, James R., 289, 311
 Hejtmanek, Michael, 477
 Helayel, Pablo E., 368
 Herbland, Alexandre, 34
 Hermanns, Henning, 519
 Hewitt, David J., 546
 Hieu De Tran, Quang, 185(letter)
 Hirsh, Robert A., 177
 Hoeft, Mark A., 184(letter), 270
 Hoffman, William, 296
 Hong, Ji Hee, 583(letter)
 Horlocker, Terese T., 71, 324, 334
 Horn, Jean-Louis, 501
 Hung, Yu-Chun, 14
 Hurley, Robert W., 237
- Ichai, Carole, 127
 Ilfeld, Brian M., 113, 172, 353
- Jack, Nigel T. M., 119
 Jahr, Jonathan S., 134
 Jang, Hyun Sug, 583(letter)
 Janvier, Gerard, 34
 Jetzek-Zader, Martin, 519
 Johnson, Ronald R., 227
 Joosten, Elbert A. J., 152
 Joshi, Nandita, 221
 Jougon, Jacques, 34
- Kamei, Michiko, 409
 Kandirali, Engin, 589(letter)
 Karaaslan, Kazim, 589(letter)
 Karakaya, Deniz, 40
 Kashuba, Maureen M., 134
 Katznelson, Rita, 304
 Kau, Yi-Chuan, 14
 Kaya, Guner, 539
 Keenan, Donald M., 227
 Kehlet, Henrik, 47
 Kelsaka, Ebru, 40
 Kessler, Jens, 480(letter), 498, 591(letter)
 Kii, Norikatsu, 409
 Kim, Won-Oak, 451
 Klaastad, Øivind, 86(letter)
 Klein, Jan, 119
 Klein, Stephen M., 417
 Knaesel, Julian A., 368
 Ko, Amy T., 134
 Ko, William M., 363
 Kocoglu, Hasan, 589(letter)
 Komly, Bernard, 433
 Konrad, Christoph J., 254
- Koscielniak-Nielsen, Zbigniew J., 86(letter), 192, 484(letter)
 Kothari, Sandesha, 168
 Krauspenhar, Cristina, 438
 Kumar, Chandra M., 275
- Lake, Tiffini, 346
 Lambert, Chantal, 393
 Langlois, Cécile, 393
 Lavand'homme, Patricia, 489
 Leclerc, Pascal, 433
 Lee, Sangmin M., 105
 Lienhart, André, 531
 Lipfert, Peter, 519
 Liu, Spencer S., 291
 Loeys, Tom L., 134
 Lönnqvist, Per-Arne, 196
 Lopp, Brian R., 358
- Mahamat, Aba, 206
 Mandabach, Mark G., 53
 Mannion, Stephen, 387(letter)
 Marret, Emmanuel, 186(letter)
 Mashimo, Takashi, 19
 Mazzilli, Michael A., 282
 McCartney, Colin J.L., 478
 McCartney, Colin, 445
 Mendez, Robert J., 282
 Mercadal, Luc, 433
 Mistraletti, Giovanni, 260
 Monsey, Robert D., 270
 Moon, Jin-Cheon, 451
 Morel, Bertrand, 433
 Moriggl, Bernhard, 92(letter)
 Murphy, Patricia, 296
- Nagaro, Takumi, 409
 Naja, Zohar M., 196
 Narouze, Samer N., 87(letter)
 Navani, Annu, 82
 Neal, Joseph M., 4, 289, 294, 575
 Ness, Timothy J., 248
 Neuburger, Michael, 254
 Ng, Huey-Ping, 26
 Nguyễn, Jean-Michel, 393
 Niazi, Ahtsham, 445
 Nicol, Jean-Briac, 186(letter)
 Nielsen, Karen C., 417
 Nordström, Ulf, 26
 Nosovitch, Mace, 358
 Nouvellon, Emmanuel, 206
 Nystrom, Elisabet U.M., 100, 589(letter)
- Obwegeser, Alois Albert, 87(letter)
 O'Donnell, Brian D., 91(letter), 387(letter)
 Orban, Jean-Christophe, 127
 Özcan, Nevzat, 386(letter)
 Özdamar, Dilek, 428
- Paine, Gregory F., 282
 Parc, Yann, 531
 Patijn, Jacob, 152
 Perlas, Anahi, 445
 Perniola, Andrea Davide, 26
 Pham Dang, Charles, 393
 Phelps, Amy L., 227
 Philip, James H., 588(letter)
 Pinaud, Michel, 393
 Pragt, Elien, 275
 Prakash, Smita, 221
 Prakash, Sunil, 221
 Prins, Martin H., 152
 Ptaszynski, Anne E., 71
- Rafati, Joyce Keck, 586(letter)
 Raghunathan, Karthik, 6
 Rahman, Abed, 215
 Rami, Laurent, 127
 Ramundo, Mary B., 346
 Randich, Alan, 248
 Rathmell, James P., 143, 184(letter), 270, 291, 294, 346
 Raucoules-Aimé, Marc, 501
 Raw, Robert M., 189, 279, 470, 585(letter)
 Reicin, Alise S., 134
 Rettig, Harald C., 119
 Reuben, Scott S., 6
 Reynier, Patrick, 34
 Rhondeau, Steven, 134
 Ripart, Jacques, 206
 Ripper, Richard, 296
 Roboubi, Babak, 91(letter)
 Rocco, Angelo G., 588(letter)
 Rodríguez, Jaime, 202
 Romeo, Ryan C., 227
 Rosenquist, Richard W., 291, 460, 480(letter)
 Rosseland, Leiv Arne, 506
 Rowlingson, Andrew J., 237
 Rowlingson, John C., 71
 Rytberg, Lars, 26
- Sah, Neera, 227
 Sandefo, Ignace, 186(letter)
 Sarihasan, Binnur, 40
 Sauter, Axel R., 86(letter)
 Scaringe, Denise, 177
 Schafhalter-Zoppoth, Ingeborg, 89(letter), 92(letter), 480(letter)
 Schiffer, Eduardo, 531
 Schley, Marcus, 254
 Schmeck, Joachim, 254
 Schmelz, Martin, 254
 Schricker, Thomas, 260
 Schuepler, Guido K., 254
 Schulz-Stübner, Sebastian, 93(letter), 385, 460
 Sellam, Mohamed Riadh, 501

- Shelley, Benjamin G., 582(letter)
 Shim, Jae-Kwang, 451
 Sia, Salvatore, 514
 Siddiqui, Mughina, 304
 Sinatra, Raymond S., 134
 Singh, Rajvir, 221
 Singla, Neil, 134
 Sites, Brian D., 555
 Söderberg, Lars, 401
 Solak, Mine, 428
 Solakoglu, Seyhun, 539
 Solheim, Nina, 506
 Spadoni, Eugene H., 113
 Spence, Brian C., 555
 Steele, Susan M., 417
 Stein, Christoph, 496
 Steinberg, Robert B., 6
 Stevens, Markus F., 519
 Stojanovic, Milan P., 181(letter)
 Strichartz, Gary, 296
 Stubhaug, Audun, 86(letter), 506
 Sugimoto, Masahiro, 19
 Suresh, Santhanam, 211
 Suzuki, Takahiro, 19

 Taboada, Manuel, 202
 Tayara, Khalil, 196
 Tetzlaff, John E., 383
 Thompson, Gale E., 88(letter)

 Toker, Kamil, 428
 Torjman, Marc C., 177
 Tran, De Quang Hieu, 482(letter)
 Tsui, Ban C.H., 182(letter),
 481(letter), 586(letter), 587(letter)
 Tucker, Marcy, 417
 Tunali, Gulden, 539
 Tunali, Yusuf, 539
 Twomey, Ciaran, 182(letter)

 Uchida, Ichiro, 19
 Ueta, Kazuyoshi, 19
 Ugur, Fatih, 386(letter)
 Urmey, William F., 463

 Valat, Philippe, 34
 Valiño, Cristina, 202
 Vallejo, Manuel C., 227
 Vallow, Sue, 546
 Van Kleef, Maarten, 152
 van Zundert, André A.J., 275
 Van Zundert, Jan, 152
 Vandenborne, Krista, 113, 172
 Vanterpool, Stephanie, 417
 Viscomi, Christopher, 478
 Viscusi, Eugene R., 291
 Voronov, Gennadiy, 215
 Voronov, Polina, 211

 Wang, Ging Kuo, 14
 Warren, Daniel T., 291
 Weber, Anne, 455
 Wedel, Denise J., 324, 334
 Weickmans, Henri, 531
 Weinberg, Guy L., 296
 White, Paul F., 184(letter)
 Wilder-Smith, Oliver H., 523
 Williams, Brian A., 95
 Williams, Kayode A., 237
 Winnie, Alon P., 569
 Wolff, André P., 523
 Wright, Amos J., 53
 Wright, Thomas W., 172
 Wu, Christopher L., 237, 291
 Wykes, Linda, 260

 Xu, Daquan, 445

 Yenice, Sedef, 539
 Yoon, Duck-Mi, 451
 Yoon, Kyung-Bong, 451
 Yorozuya, Toshihiro, 409
 Younes, Fadi, 196

 Zizza, Anthony M., 14
 Zurakowski, David, 14